

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR § 1.97(b), 1.97(c), or 1.97(d)		Attny. Docket No. 2001U004.US-CON	
In Re Application of: Vaughan, George Alan et al.			
U.S. Serial No. Unassigned	Filing Date April 2, 2004	Examiner Unassigned	Group Art Unit Unassigned

Address to:
**Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450**

37 CFR § 1.97(b)

- ☒ The Information Disclosure Statement submitted herewith is being filed within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114.

37 CFR § 1.97(c)

- ☐ The Information Disclosure Statement submitted herewith is being filed after three months of the filing date of a national application other than a continued prosecution application under § 1.53(d); after three months of the date of entry of the national stage as set forth in § 1.491 in an international application; after the mailing of a first Office Action on the merits; or after the mailing of a first Office Action after the filing of a request for continued examination under § 1.114, but before the mailing date of:

1. a Final Action under § 1.113,
2. a Notice of Allowance under § 1.311, or
3. an action that otherwise closes prosecution in the application,

and is accompanied by either:

- ☐ the fee as set forth in § 1.17(p), or
- ☐ the following statement under § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

37 CFR § 1.97(d)

- ☐ The Information Disclosure Statement submitted herewith is being filed after a Final Action under § 1.113, a Notice of Allowance under § 1.311, or an action that otherwise closes prosecution in the application, but before, or simultaneously with, the payment of the issue fee. Submitted herewith is the fee as set forth in § 1.17(p) and the following statement under 37 CFR § 1.97(e)(1): each item of information contained in the information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the information disclosure statement.

Applicant hereby request consideration of the Information Disclosure Statement, USPTO form 1449, submitted herewith.

☒ Legible copies of the references are enclosed.

☒ This application is a:
☒ **Continuation** / Divisional,
☐ Continuation-in-Part,

of U.S.S.N. 10/199,808, filed July 19, 2002. Copies of the cited references are
☐ enclosed; ☒ not enclosed. *References are available in the parent application(s) if not enclosed.*

The Commissioner is hereby authorized to charge any additional fees which may be required by this paper, or credit any overpayment, to Deposit Account Number 50-0589.

Date

April 2/04

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FORM - 1449

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INFORMATION DISCLOSURE STATEMENT <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO:		SERIAL NO.	
				2001U004.US-CON		Unassigned	
				APPLICANT			
				Vaughan, et al.			
				FILING DATE		GROUP	
April 2, 2004		Unassigned					
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,359,015	10/25/1994	Jejelowo	526	114	
	AB	5,382,630	01/17/1995	Stehling et al.	525	240	
	AC	5,382,631	01/17/1995	Stehling et al.	525	240	
	AD	5,679,812	10/21/1997	Winter et al.	556	7	
	AE	5,786,495	07/28/1998	Resconi et al.	556	11	
	AF	5,886,202	03/23/1999	Jung et al.	556	11	
	AG	5,929,264	07/27/1999	Rohrmann et al.	556	11	
	AH	5,990,253	11/23/1999	van Beck et al.	526	127	
	AI	6,051,728	04/18/2000	Resconi et al.	556	53	
	AJ	6,111,019	08/29/2000	Arjunan et al.	525	211	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AK	EP0702030A1	03/20/1996	Europe			X US5350817
	AL	EP0926169A2	06/30/1999	Europe			
	AM	EP0511665B1	07/22/1998	Europe			
	AN	EP0664301A1	07/26/1995	Europe			
	AO	WO 98/28350	07/02/1998	PCT			
	AP	WO 00/31088	06/02/2000	PCT			
	AQ	WO 03/037928	05/08/2003	PCT			
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	AR	Wang, B. et al., "Ethylene polymerizations with disiloxane-bridged indenyl and cyclopentadienyl metallocene catalysts," Macromol. Chem. Phys. 198 3197-3205 (1997).					
	AS	Löfgren, B., "New olefin copolymers synthesized by metallocenes," Recent Res. Devel. in Macromol. Res. , 3, 117-131 (1998).					
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line though citation if not in conformance and not considered. Include copy of this form with next comment to applicant							

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U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	BA	6,180,736	01/30/2001	Muhle et al.	526	160	
	BB	6,207,606	03/27/2001	Lue et al.	502	113	
	BC	6,214,469	04/10/2001	Sukhadia et al.	428	421	
	BD	6,339,134	01/15/2002	Crowther et al.	526	128	
	BE	6,388,115	05/14/2002	Crowther et al.	556	11	
	BF	6,410,659	06/25/2002	Maddox et al.	526	114	
	BG	6,489,413	12/03/2002	Floyd et al.	526	160	
	BH	6,545,105	04/08/2003	Follestad et al.	526	65	
	BI	6,642,400	11/04/2003	Holtcamp et al.	556	11	
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	BJ						
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	BK	Abstract: He, Dawei et al., "Metallocene polymerization catalyst for high molecular weight polyethylene and preparation thereof" retrieved from STN Database accession no. 131:351801 abstract & CN1149060A (Chemical Institute, Chinese Academy of Sciences, Peop. Rep. China) 7 May 1997					
	BL	Herrman, et al., Angew. Chem. 101 (11) 1536 (1989)					
	BM	Möhring, Petra C., "Homogeneous Group 4 metallocene Ziegler-Natta catalysts: the influence of cyclopentadienyl-ring substituents," <i>Journal of Organometallic Chemistry</i> 479, 1-29 (1994).					
	BN	Brintzinger, Hans H., "Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts," <i>Angew. Chem. Int. Ed. Engl.</i> , 34, 1143-1170 (1995).					
	BO	Soares, João B.P., "Mathematical Modelling and Control of Chemical Composition Distribution of Ethylene/α-Olefin Copolymers Made with Single and Combined Metallocene Catalysts," <i>Polymer Reaction Engineering</i> 8(3), 241-270 (2000).					
	BP	Galland, G.B., et al., "Linear low-density polyethylene synthesis promoted by homogeneous and supported catalysts," <i>Polymer International</i> 48, 660-664 (1999).					
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*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	CA						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	PUBL. DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	CB						YES NO
OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages of Publication, Etc.)							
	CC	Wigum, Hanne, et al., "Structure-Property Transition-State Model for the Copolymerization of Ethene and 1-Hexene with Experimental and Theoretical Applications to Novel Disilylene-Bridged Zirconocenes," <i>Journal of Polymer Science, Part A: Polymer Chemistry</i> 41(11), 1622-1631 (2003).					
	CD	Lehtinen, Christel et al. "A Comparison of (η -butCp) ₂ ZrCl ₂ and Other Simple Metallocenes with Bridged Et(Ind) ₂ ZrCl ₂ and Me ₂ Si(Ind) ₂ ZrCl ₂ Catalysts in Ethene/Propene Copolymerization," <i>European Polymer Journal</i> 33(1), 115-120 (1997).					
	CE	Suhm, J., "Influence of metallocene structures on ethen copolymerization with 1-butene and 1-octene," <i>Journal of Molecular Catalysis A: Chemical</i> 128(1-3) 215-227 (1998).					
	CF	Bruaseth, Ingvid et al. "Dual Site Ethene/1-Hexene Copolymerization with MAO Activated (1,2,4-Me ₃ Cp) ₂ ZrCl ₂ and (Me ₃ Cp) ₂ ZrCl ₂ Catalysts. Possible Transfer of Polymer Chains between the Sites," <i>Macromolecules</i> 36(9), 3026-3034 (2003).					
	CG	Schneider, M.J., et al. "Influence of Indenyl Ligand Substitution Pattern on Metallocene-Catalyzed Ethene Copolymerization with 1-Octene," <i>Macromolecules</i> 30, 3164-3168 (1997).					
	CH	Suhm, J., et al. "Temperature Dependence of Copolymerization Parameters in Ethene/1-Octene Copolymerization Using Homogeneous rac-Me ₂ Si(2-MeBenz[e]Ind) ₂ ZrCl ₂ /MAO Catalyst," <i>Journal of Polymer Science, Part A: Polymer Chemistry</i> 35, 735-740 (1997).					
	CI	Brintzinger Hans H., "Stereospecific Olefin Polymerization with Chiral Metallocene Catalysts," <i>Angew.Chem. Int. Ed. Engl.</i> 34, 1143-1170 (1995).					
	CJ	Karol, Frederick J., et al., "Features of Cyclopentadienyl Metal Catalysts for Ethylene Copolymerization in Gas and Liquid Phase" <i>METALORGANIC CATALYSTS FOR SYNTHESIS AND POLYMERIZATION</i> 629-642, (Walter Kaminsky, Ed., Springer 1999)					
EXAMINER				DATE CONSIDERED			
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